



PATENT  
Docket No. TSHU001

CERTIFICATE OF MAILING BY "FIRST CLASS MAIL"

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*[Signature]*

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In the application of:

Sheridan, Thomas B.

Serial No.: 10/001,362

Filing Date: Oct. 23, 2001

For: HYBRID VEHICLE OPERATION  
SIMULATOR

Examiner: Thai Q. Phan

Group Art Unit: 2128

INFORMATION DISCLOSURE  
STATEMENT UNDER 37 C.F.R. § 1.97 & 1.98

Commissioner for Patents  
P.O. Box 1450  
Alexandria, Virginia 22313-1450

Dear Sir:

Pursuant to 37 C.F.R. § 1.97 and § 1.98, Applicant submits for consideration in the above-identified application the documents listed on the attached Form PTO-1449. Copies of the documents are submitted herewith. The Examiner is requested to make these documents of record.

09/21/2005 SFELEKE1 00000009 10001362

01 FC:1806

180.00 OP

This Information Disclosure Statement is submitted:

- ☐ With the application; accordingly, no fee or separate requirements are required.
- ☐ Before the mailing of a first Office Action after the filing of a Request for Continued Examination under § 1.114. However, if applicable, a certification under 37 C.F.R. § 1.97(e)(1) has been provided.
- ☐ Within three months of the application filing date or before mailing of a first Office Action on the merits; accordingly, no fee or separate requirements are required. However, if applicable, a certification under 37 C.F.R. § 1.97(e)(1) has been provided.
- ☒ After receipt of a first Office Action on the merits but before mailing of a final Office Action or Notice of Allowance.
  - ☒ A fee is required. A credit card payment for authorizing payment in the amount of **\$180.00** is enclosed.
  - ☐ A fee is required. Accordingly, a Fee Transmittal form (PTO/SB/17) is attached to this submission in duplicate.
  - ☐ A Certification under 37 C.F.R. § 1.97(e) is provided above; accordingly, no fee is believed to be due.
- ☐ After mailing of a final Office Action or Notice of Allowance, but before payment of the issue fee.
  - ☐ A Certification under 37 C.F.R. § 1.97(e) is provided above and a check in the amount of \_\_\_ is enclosed.
  - ☐ A Certification under 37 C.F.R. § 1.97(e) is provided above and a Fee Transmittal form (PTO/SB/17 is attached to this submission in duplicate.)

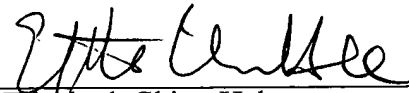
Applicant would appreciate the Examiner initialing and returning the Form PTO-1449, indicating that the information has been considered and made of record herein.

The information contained in this Information Disclosure Statement under 37 C.F.R. § 1.97 and § 1.98 is not to be construed as a representation that: (i) a complete search has been made; (ii) additional information material to the examination of this application does

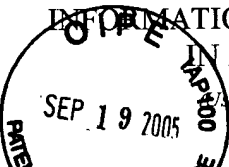
not exist; (iii) the information, protocols, results and the like reported by third parties are accurate or enabling; or (iv) the above information constitutes prior art to the subject invention.

Dated: September 15, 2005

Respectfully submitted,

By:   
Elizabeth Chien-Hale  
Registration No. 44,077

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Form PTO-1449 <b>INFORMATION DISCLOSURE CITATION</b> <b>IN AN APPLICATION</b> (Use several sheets if necessary) 	Docket Number TSHU001	Application Number: 10/001,362
	Applicant Sheridan, Thomas B	
	Filing Date: Oct. 23, 2001	Group Art Unit 2128
	Mailing Date: September 15, 2005	

## U.S. PATENT DOCUMENTS

Examiner Initials	Ref. No.	Date	Document No.	Name	Class	Subclass	Filing Date If Appropriate
	1.	2/76	3,936,955	Gruen et al.			
	2.	8/84	4,464,117	Foerst			
	3.	7/89	4,846,686	Adams			
	4.	8/89	4,856,771	Nelson et al.			
	5.	5/91	5,018,973	Alet et al.			
	6.	5/93	5,209,662	Fujita et al.			
	7.	1/94	5,277,584	DeGroat et al.			
	8.	11/94	5,368,484	Copperman et al.			
	9.	3/95	5,399,091	Mitsumoto			
	10.	4/97	5,618,179	Copperman et al.			
	11.	8/97	5,660,547	Copperman			
	12.	1/98	5,707,237	Takemoto et al.			
	13.	2/98	5,721,679	Monson			
	14.	5/98	5,752,834	Ling			
	15.	8/00	6,102,832	Tani			
	16.	9/00	6,123,547	Teresi			
	17.	1/01	6,175,343	Mitchell et al.			
	18.	5/01	6,234,011	Yamagishi			

## FOREIGN PATENT DOCUMENTS

Examiner Initials	Ref. No.	Date	Document No.	Country	Class	Subclass	Translation YES NO

## OTHER DOCUMENTS

(including author, title, Date, Pertinent Pages, Etc.)

Examiner Initials	Ref. No.	Title
	19	Lin, Q. and Kuo, C. (1999). <i>Assisting the teleoperation of an unmanned underwater vehicle using a synthetic subsea scenario</i> . Presence: Teleoperators and Virtual Environments, Vol. 8, No. 5, pp. 521-530.

EXAMINER:

DATE CONSIDERED:

EXAMINER: Initial if citation considered, whether or not the citation conforms with MPEP 609. Draw a line through the citation if not in conformance and not considered. Include a copy of this form with next communication to applicant.

Form PTO-1449

Docket Number TSHU001

Application Number: 10/001,362

# INFORMATION DISCLOSURE CITATION IN AN APPLICATION

(Use several sheets if necessary)

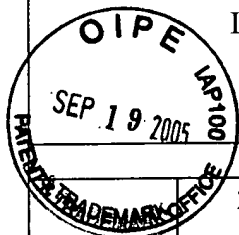
Applicant

Sheridan, Thomas B

Filing Date: Oct. 23, 2001

Group Art Unit 2128

Mailing Date: September 15, 2005



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|-----|---|
| 20  | Li, G. and Oliver, S. (2000). <i>Design factors of in-road map display for efficient road recognition. Proc. Human Performance, Situation Awareness and Automation</i> , Savannah, GA, Oct 15-19, NC State University, pp. 213-219.   |
| 21  | Liu, A. and Pentland, A., (1996). <i>Detection of unexpected motion while driving</i> . Presence: Teleoperators and Virtual Environments, Vol. 5, No. 2, pp. 163-172.   |
| 22  | Ruddle, R., Payne, S. and Jones, D. (1999). <i>Navigating large-scale virtual environments</i> . Presence: Teleoperators and Virtual Environments, Vol. 8, No. 2, pp. 157-168.  |
| 23  | Satava, R. and Jones, S. (1997). <i>Virtual environments for medical training and education</i> . Presence: Teleoperators and Virtual Environments, Vol. 6, No. 2, pp. 139-146.   |
| 24  | Schultheis, M. and Mourant, R. (2001). <i>Virtual reality and driving: the road to better assessment for cognitively impaired populations</i> . Presence: Teleoperators and Virtual Environments, Vol. 10, No. 4, pp. 431-439.  |
| 25  | Steck, S. and Nallot, H. (2000). <i>The role of global and local landmarks in virtual environment navigation</i> . Presence: Teleoperators and Virtual Environments, Vol. 9, No. 1, pp. 69-83.  |
| 26  | Williams, K.W. (2000). <i>Age and situation awareness: a highway-in-the-sky display study</i> . Proc. IEA 2000/HFES 2000 Congress, July 29-Aug 4, San Diego, CA, pp. 3-17.  |
| 27  | You, S. and Neumann, U. (2001). <i>Fusion of vision and gyro tracking for robust augmented reality registration</i> . Proc. Virtual Reality 2001 Conference. Los Alamitos, CA: IEEE Computer Society, pp. 71-78.  |
| 28. | The National Advanced Driving Simulator (NADS) is the most sophisticated. <a href="http://www-nrd.nhtsa.dot.gov/deparments/nrd-12/nationalAdvancedDriverSimulator.html">http://www-nrd.nhtsa.dot.gov/deparments/nrd-12/nationalAdvancedDriverSimulator.html</a> , Sep. 2, 2005, p.1 |
| 29. | CGSD Product. <a href="http://cgsd.com/DrivingSimulator/">http://cgsd.com/DrivingSimulator/</a> , Sep. 2, 2005, pp. 1-5   |
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EXAMINER:

DATE CONSIDERED:

EXAMINER: Initial if citation considered, whether or not the citation conforms with MPEP 609. Draw a line through the citation if not in conformance and not considered. Include a copy of this form with next communication to applicant.



Doc Code:

PTO/SB/17 (12-04v2)  
Approved for use through 07/31/2006. OMB 0651-0032  
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

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Effective on 12/08/2004.

Fees pursuant to the Consolidated Appropriations Act, 2005 (H.R. 4818).

**FEE TRANSMITTAL**  
**For FY 2005**☒ Applicant claims small entity status. See 37 CFR 1.27TOTAL AMOUNT OF PAYMENT (\$)180.00**Complete if Known**

Application Number	101001,362
Filing Date	OCT 23, 2001
First Named Inventor	SHERIDAN, Thomas B.
Examiner Name	Phan, Thai Q
Art Unit	2128
Attorney Docket No.	TSHU001

**METHOD OF PAYMENT** (check all that apply)☐ Check ☒ Credit Card ☐ Money Order ☐ None ☐ Other (please identify): \_\_\_\_\_☐ Deposit Account Deposit Account Number: \_\_\_\_\_ Deposit Account Name: \_\_\_\_\_

For the above-identified deposit account, the Director is hereby authorized to: (check all that apply)

☐ Charge fee(s) indicated below ☐ Charge fee(s) indicated below, except for the filing fee  
☐ Charge any additional fee(s) or underpayments of fee(s) under 37 CFR 1.16 and 1.17 ☐ Credit any overpayments

WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.

**FEE CALCULATION****1. BASIC FILING, SEARCH, AND EXAMINATION FEES**

Application Type	FILING FEES		SEARCH FEES		EXAMINATION FEES		Fees Paid (\$)
	Fee (\$)	Small Entity Fee (\$)	Fee (\$)	Small Entity Fee (\$)	Fee (\$)	Small Entity Fee (\$)	
Utility	300	150	500	250	200	100	
Design	200	100	100	50	130	65	
Plant	200	100	300	150	160	80	
Reissue	300	150	500	250	600	300	
Provisional	200	100	0	0	0	0	<u>0</u>

**2. EXCESS CLAIM FEES****Fee Description**

Each claim over 20 (including Reissues)

Each independent claim over 3 (including Reissues)

Multiple dependent claims

Fee (\$)	Small Entity Fee (\$)
50	25
200	100
360	180

Total Claims	Extra Claims	Fee (\$)	Fee Paid (\$)
- 20 or HP =	x	=	

HP = highest number of total claims paid for, if greater than 20.

Indep. Claims	Extra Claims	Fee (\$)	Fee Paid (\$)
- 3 or HP =	x	=	

HP = highest number of independent claims paid for, if greater than 3.

Multiple Dependent Claims	
Fee (\$)	Fee Paid (\$)
	<u>0</u>

**3. APPLICATION SIZE FEE**

If the specification and drawings exceed 100 sheets of paper (excluding electronically filed sequence or computer listings under 37 CFR 1.52(e)), the application size fee due is \$250 (\$125 for small entity) for each additional 50 sheets or fraction thereof. See 35 U.S.C. 41(a)(1)(G) and 37 CFR 1.16(s).

Total Sheets	Extra Sheets	Number of each additional 50 or fraction thereof	Fee (\$)	Fee Paid (\$)
- 100 =	/ 50 =	(round up to a whole number) x	=	<u>0</u>

**4. OTHER FEE(S)**

Non-English Specification, \$130 fee (no small entity discount)

Other (e.g., late filing surcharge): IDS Filing fee

Fees Paid (\$)

180.00**SUBMITTED BY**

Signature	<u>Elizabeth Chien-Hale</u>	Registration No. (Attorney/Agent)	<u>44,017</u>	Telephone	<u>408 776 8719</u>
Name (Print/Type)	<u>ELIZABETH CHIEN-HALE</u>	Date	<u>Sep 15, 2005</u>		

This collection of information is required by 37 CFR 1.136. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 30 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.